

WHAT IS CLAIMED IS:

- 1 1. A plasma display panel, comprising:
 - 2 a first substrate;
 - 3 a second substrate opposing the first substrate with a predetermined gap therebetween; and
 - 4 barrier ribs arranged between the first substrate and the second substrate to define a
 - 5 plurality of discharge cells;
 - 6 wherein at least one row of every three rows of the discharge cells is arranged in an open
 - 7 configuration to form open discharge cells, and the other rows of the discharge cells excluding the
 - 8 at least one row include discharge cells are arranged in a closed configuration to form closed
 - 9 discharge cells.
- 1 2. The plasma display panel of claim 1, wherein first, second, and third phosphor films are
2 arranged in the discharge cells; the first phosphor film being arranged in the open discharge cells;
3 and the second and third phosphor films being arranged in the closed discharge cells.
- 1 3. The plasma display panel of claim 2, wherein first, second, and third phosphor films
2 respectively comprise red, green, and blue phosphor films.
- 1 4. The plasma display panel of claim 1, wherein the open discharge cells and the closed
2 discharge cells are arranged in a repeated predetermined pattern.

1 5. The plasma display panel of claim 1, wherein the open discharge cells are arranged in
-2 a stripe pattern and the closed discharge cells are arranged into quadrilateral shapes.

1 6. The plasma display panel of claim 5, wherein the closed discharge cells are defined by
2 first barrier ribs arranged in a lattice configuration, and the open discharge cells are defined by
3 spaces formed by the first barrier ribs.

1 7. The plasma display panel of claim 5, wherein the closed discharge cells are defined by
2 first barrier ribs arranged in a lattice configuration, and the open discharge cells are defined by
3 spaces formed by the first barrier ribs and by second barrier ribs arranged in the spaces.

1 8. The plasma display panel of claim 6, wherein one cell unit comprises two rows of closed
2 discharge cells and one row of open discharge cells, and wherein the cell units are arranged
3 repeatedly.

1 9. The plasma display panel of claim 7, wherein one cell unit includes one row of closed
2 discharge cells and two rows of open discharge cells, and wherein the cell units are arranged
3 repeatedly.

1 10. The plasma display panel of claim 1, wherein first, second, and third phosphor films

2 are arranged in the discharge cells; the first and third phosphor films being arranged in the open
3 discharge cells; and the second phosphor film being arranged in the closed discharge cells.

1 11. The plasma display panel of claim 10, wherein first, second, and third phosphor films
2 respectively comprise red, green, and blue phosphor films.

1 12. A method of manufacturing a plasma display panel, comprising:
2 providing a first substrate;
3 arranging a second substrate opposing the first substrate with a predetermined gap
4 therebetween; and
5 arranging barrier ribs between the first substrate and the second substrate to define a
6 plurality of discharge cells;
7 wherein at least one row of every three rows of the discharge cells is arranged in an open
8 configuration to form open discharge cells, and wherein the other rows of the discharge cells
9 excluding the at least one row include discharge cells are arranged in a closed configuration to
10 form closed discharge cells.

1 13. The method of claim 12, wherein first, second, and third phosphor films are arranged
2 in the discharge cells; the first phosphor film being arranged in the open discharge cells; and the
3 second and third phosphor film being arranged in the closed discharge cells.

1 14. The method of claim 13, wherein first, second, and third phosphor films respectively
2 comprise red, green, and blue phosphor films.

1 15. The method of claim 13, wherein the open discharge cells and the closed discharge cells
2 are arranged in a repeated predetermined pattern.

1 16. The method of claim 13, wherein the open discharge cells are arranged in a stripe
2 pattern and wherein the closed discharge cells are arranged into quadrilateral shapes.

1 17. The method of claim 16, wherein the closed discharge cells are defined by first barrier
2 ribs formed in a lattice configuration, and wherein the open discharge cells are defined by spaces
3 formed by the first barrier ribs.

1 18. The method of claim 16, wherein the closed discharge cells are defined by first barrier
2 ribs arranged in a lattice configuration, and wherein the open discharge cells are defined by spaces
3 arranged by the first barrier ribs and by second barrier ribs arranged in the spaces.

1 19. The method of claim 17, wherein one cell unit includes two rows of closed discharge
2 cells and one row of open discharge cells, and wherein the cell units are arranged repeatedly.

1 20. The method of claim 18, wherein one cell unit includes one row of closed discharge

- 2 cells and two rows of open discharge cells, and wherein the cell units are arranged repeatedly.

-1 21. The method of claim 13, wherein first, second, and third phosphor films are arranged
-2 in the discharge cells; the first and third phosphor films being arranged in the open discharge cells;
-3 and the second phosphor film being arranged in the closed discharge cells.

1 22. The method of claim 21, wherein first, second, and third phosphor films respectively
2 comprise red, green, and blue phosphor films.